

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2002-NM-63-AD; Amendment 39-13543; AD 2004-06-17]

RIN 2120-AA64

Airworthiness Directives; BAE Systems (Operations) Limited (Jetstream) Model 4101 Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule.

SUMMARY: This amendment adopts a new airworthiness directive (AD), applicable to all BAE Systems (Operations) Limited (Jetstream) Model 4101 airplanes, that requires repetitive inspections for damage of the horizontal and vertical stabilizer attachment fittings, and corrective action if necessary. This action is necessary to detect and correct damage of the horizontal and vertical stabilizer attachment fittings, which could result in reduced structural integrity of the horizontal and vertical stabilizers and consequent reduced controllability of the airplane. This action is intended to address the identified unsafe condition.

DATES: Effective May 4, 2004.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of May 4, 2004.

ADDRESSES: The service information referenced in this AD may be obtained from British Aerospace Regional Aircraft American Support, 13850 Mclearen Road, Herndon, Virginia 20171. This information may be examined at the Federal Aviation Administration (FAA), Transport Airplane Directorate, Rules Docket, 1601 Lind Avenue, SW., Renton, Washington; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

FOR FURTHER INFORMATION CONTACT: Todd Thompson, Aerospace Engineer, International Branch, ANM-116, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 227-1175; fax (425) 227-1149.

SUPPLEMENTARY INFORMATION: A proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an airworthiness directive (AD) that is applicable to all BAE Systems (Operations) Limited (Jetstream) Model 4101 airplanes was published in the Federal

Register on November 18, 2003 (68 FR 65006). That action proposed to require repetitive inspections for damage of the horizontal and vertical stabilizer attachment fittings, and corrective action if necessary.

Comments

Interested persons have been afforded an opportunity to participate in the making of this amendment. No comments were submitted in response to the proposal or the FAA's determination of the cost to the public.

Conclusion

The FAA has determined that air safety and the public interest require the adoption of the rule as proposed.

Cost Impact

The FAA estimates that 57 airplanes of U.S. registry will be affected by this AD, that it will take approximately 120 work hours per airplane to accomplish the required actions, and that the average labor rate is \$65 per work hour. Based on these figures, the cost impact of the AD on U.S. operators is estimated to be \$444,600, or \$7,800 per airplane.

The cost impact figure discussed above is based on assumptions that no operator has yet accomplished any of the requirements of this AD action, and that no operator would accomplish those actions in the future if this AD were not adopted. The cost impact figures discussed in AD rulemaking actions represent only the time necessary to perform the specific actions actually required by the AD. These figures typically do not include incidental costs, such as the time required to gain access and close up, planning time, or time necessitated by other administrative actions.

Regulatory Impact

The regulations adopted herein will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government. Therefore, it is determined that this final rule does not have federalism implications under Executive Order 13132.

For the reasons discussed above, I certify that this action (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and (3) will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act. A final evaluation has been prepared for this action and it is contained in the Rules Docket. A copy of it may be obtained from the Rules Docket at the location provided under the caption ADDRESSES.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

Adoption of the Amendment

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

PART 39–AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

2. Section 39.13 is amended by adding the following new airworthiness directive:

AIRWORTHINESS DIRECTIVE



Aircraft Certification Service
Washington, DC

U.S. Department
of Transportation
**Federal Aviation
Administration**

We post ADs on the internet at "www.faa.gov"

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Title 14 of the Code of Federal Regulations (14 CFR) part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference 14 CFR part 39, subpart 39.3).

2004-06-17 BAE Systems (Operations) Limited (Formerly British Aerospace Regional Aircraft): Amendment 39-13543. Docket 2002-NM-63-AD.

Applicability: All Model Jetstream 4101 airplanes, certificated in any category.

Compliance: Required as indicated, unless accomplished previously.

To detect and correct damage of the horizontal and vertical stabilizer attachment fittings, which could result in reduced structural integrity of the horizontal and vertical stabilizers and consequent reduced controllability of the airplane, accomplish the following:

Service Bulletin References

(a) The following information pertains to the service bulletin referenced in this AD:

(1) The term "service bulletin" as used in this AD means the Accomplishment Instructions of BAE Systems (Operations) Limited Service Bulletin J41-55-012, dated October 24, 2002.

(2) Although the service bulletin referenced in this AD specifies to report all findings to the manufacturer by completing the Reporting Data Form on Figures 1, 2, 3, and 4 of the service bulletin, this AD does not include such a requirement.

(3) Inspections and corrective actions accomplished before the effective date of this AD per BAE Systems (Operations) Limited Service Bulletin J41-55-011, dated January 25, 2002, are acceptable for compliance with the corresponding action required by this AD.

Repetitive Inspections

(b) Within 2 years after the effective date of this AD, perform a detailed inspection for damage of the horizontal and vertical stabilizer attachment fittings by doing all actions in the service bulletin, per the service bulletin. Repeat the inspection at intervals not to exceed 8 years.

Note 1: For the purposes of this AD, a detailed inspection is defined as: "An intensive visual examination of a specific structural area, system, installation, or assembly to detect damage, failure, or irregularity. Available lighting is normally supplemented with a direct source of good lighting at intensity deemed appropriate by the inspector. Inspection aids such as mirror, magnifying lenses, etc., may be used. Surface cleaning and elaborate access procedures may be required."

Repair

(c) If any damage (cracks, corrosion, wear, fretting) is found during any inspection per paragraph (b) of this AD: Do the applicable corrective action specified in the service bulletin at the time specified in the service bulletin per the service bulletin, except as required by paragraph (d) of this AD.

(d) If any damage is found that is outside the limits specified in the service bulletin, and the service bulletin recommends contacting BAE Systems (Operations) Limited for appropriate action: Before further flight, repair per a method approved by the Manager, International Branch, ANM-116, FAA, Transport Airplane Directorate; or the Civil Aviation Authority (or its delegated agent).

Note 2: The service bulletin refers to BAE Systems (Operations) Limited Service Bulletin J41-55-002; Revision 1, dated July 25, 1996; as an additional source of service information for accomplishing certain actions.

Alternative Methods of Compliance

(e) In accordance with 14 CFR 39.19, the Manager, International Branch, ANM-116, is authorized to approve alternative methods of compliance for this AD.

Incorporation by Reference

(f) Unless otherwise specified in this AD, the actions shall be done in accordance with BAE Systems (Operations) Limited Service Bulletin J41-55-012, dated October 24, 2002. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from British Aerospace Regional Aircraft American Support, 13850 Mclearen Road, Herndon, Virginia 20171. Copies may be inspected at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

Note 3: The subject of this AD is addressed in British airworthiness directive 005-10-2002.

Effective Date

(g) This amendment becomes effective on May 4, 2004.

Issued in Renton, Washington, on March 19, 2004.

Kevin M. Mullin,
Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.
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